



March 14, 2001

DSSD Census 2000 Procedures and Operations Memorandum Series, Chapter S-DT-07

MEMORANDUM FOR Howard Hogan
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Subject: Coding of Potential Fictitious and Lived Elsewhere on Census Day

Background

The purpose of this memorandum is to document the technical details of the procedure of assigning a letter code to person records in the Person Follow-Up keyed data that determines potentially fictitious people and people who lived elsewhere on Census day. This memorandum supplements DSSD Census 2000 Procedures and Operations Memorandum Q-44, Accuracy and Coverage Evaluation: A Change to Imputation Cells to Address Unresolved Resident and Enumeration Status by Patrick J. Cantwell and Danny R. Childers.

Two types of unresolved residence and enumeration status were believed to have different probability of residence and probability of correct enumeration, and were imputed differently. One is potential fictitious and the other is lived elsewhere on Census day. To classify persons in follow-up into these categories, the Coverage Measurement Research Staff assigned a letter code of values a through z or blank to each person record from follow-up (variable FU_CODE1). To place P-sample persons and E-sample persons into imputation cells, the Coverage Measurement Programming Staff recoded FU_CODE1 into a numeric variable FU_CODE2 as follows:

FU_CODE1	FU_CODE2
Letter Code b, (Potential Fictitious)	1
Letter Code e,f,or g, (Lived Elsewhere)	2
Letter Code a, c, d, h, i, j, k, l, m, n, o, or p	3
Letter Code q through z, (Others)	4
In Person Follow-Up, letter code is blank	8
Not in Person Follow-Up	9

The detail definition of the letter code will be described in the next section. Tallies are in Attachment 1.

Definition of the Letter Code

Assignment of the letter code is based on the answers to the following questions on the A.C.E. Person Follow-Up (PFU) form. In Section 3 of the follow-up form, there were questions asked to determine the residence status of an A.C.E. person. In Section 4, the same questions were asked to determine the enumeration status of a census person. Four choices were given for each of these questions, "Yes", "No", "Don't know", or "refused". Question 4a asked whether the person lived at the address on census day. If the answer to question 4a was "No", then the interviewer was directed to write the address lived on census day in the space provided in 4b. Question 5 asked whether the person stayed elsewhere at group quarters. Question 6 asked whether the person had another residence on census day. If the answer to question 6 was "Yes", then there was a space provided to write the other address. In Section 6 of the follow-up form, question 2 asked whether the census address was in the block cluster. In section 7, the same question was asked to check geography of the A.C.E. address. We assigned letter codes defined as follows:

- a. Housing unit geography was not completed.
Section 6 or Section 7, housing unit geocoding, was printed on the PFU form. But the answer to question 2 was blank.

Persons not assigned a code "a" are assigned a code from "b" to "p" according to the answers to question 4, 5, and 6 in section 4.

- b. Potential Fictitious.
Answers to question 4, 5, and 6 are all blank. There were three knowledgeable respondents (who didn't know this person).

If the answer to question 4 is "No", then the person lived elsewhere on census day, and is assigned a letter code "e", "f", or "g".

- e. Lived elsewhere on census day, address in 4b given. Yes or No to question 5. Yes or No to question 6.
- f. Lived elsewhere, address in 4b given. Don't know or Refused to question 5 or question 6.
- g. Lived elsewhere on census day. address in 4b not given.

Other persons from the keyed PFU data are assigned one of the following codes.

- c. No response to question 4, 5, and 6. One or two knowledgeable respondents.
- d. No response to question 4, 5, and 6. No knowledgeable respondents.
- h. Don't know or Refused to question 4, address in 4b given.
- i. Don't know or Refused to question 4, address in 4b not given.
- j. Lived here and lived at other residence, address of other residence given.
- k. Lived here and lived at other residence, address of other residence not given.
- l. Lived here. But here may be group quarters.
(Yes to question 4. Yes to question 5. Not Yes to question 6.)
- m. Lived here. Question 5 and question 6 blank.
- n. Lived here. Don't know or Refused to question 5 and to question 6.
- o. Lived here and nowhere else.
(Yes to question 4. No to question 5. No to question 6)
- p. Lived here and no other residence. But Group quarter unresolved.
(Yes to question 4. Don't Know or Refused to question 5. No to question 6.)
- q. Others.

PFU Persons Who Were Not Assigned A Letter Code

The following persons in follow-up (persons in PERMARCS who are flagged for FU) were not assigned a letter code.

1. Persons whose before follow-up match code is P, possible match.
2. Persons in follow-up keyed data whose final match code is one of the following:
GE, DE, GU, KE, GP, DP, or KP.
3. Persons that were flagged for follow-up, but did not link to follow-up keyed data.

References

Cantwell, Patrick J and Childers, Danny R, Accuracy and Coverage Evaluation: A Change in Imputation Cells to Address Unresolved Resident and Enumeration Status, DSSD Census 2000 Procedures and Operations Memorandum Q-44

Attachments

cc:

DSSD Census 2000 Procedures and Operations Memorandum Series Distribution List
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Results of Letter Code Assignment.

Code	E-Sample		P-Sample	
	US	PR	US	PR
a	124	8	156	0
b	3138	99	1076	24
c	512	4	250	1
d	625	35	266	14
e	6381	363	4396	171
f	3561	48	1979	68
g	811	28	371	28
h	114	1	63	0
i	1282	34	666	15
j	2649	105	1557	101
k	158	22	76	10
l	962	68	388	30
m	81	1	9	1
n	9462	106	2852	49
o	97901	7502	34253	2583
p	743	21	230	8
q	0	0	0	0
Total	128504	8445	48588	3103

PFU Persons Not Assigned A Letter Code

Reasons	P-sample	E-sample
Possible Matches	5,374	4,996
GE, DE, GU, KE, GP, DP, or KP.	821	3,155
Not in PFU keyed data	1,891	9,011